



REEPOL RBS80

Cost Effective General Use Binder



INTRODUCTION

Reepol RBS80 is a formulated epoxy resin binder which can be used on a wide range of application as a sealing primer or filled with mineral aggregates for on site use. Reepol RBS80 is based on a formulated blend of epoxy resin and cycloaliphatic polyamine, with excellent tolerance to moisture and is VOC free.

The outstanding properties of this binder towards strength and flexibility are excellent making the system highly recommendable in civil engineering applications.

APPLICATIONS

Concrete primers and sealers, mortars and screeds, scratch topping, filling compounds, machinery bedding grouts and binder for bulking prior to the application of finish toppings.

ADVANTAGES

Low Viscosity – Good Chemical Resistance – Good Early Strength – Good Flexibility (unfilled) – Excellent Curing Rate – Versatile

TECHNICAL DATA

Typical Properties		Additional Application Information			
Colour	Straw to yellow liquid	+10°C	+20°C	+30°C	
Viscosity @ 20°C	600-700Mpa	Pot Life	40 Mins	30 Mins	15 Mins
Gel time 500gms @ 20°C	25-30 Minutes	Waiting time between coats:			
Curing Speed - Thin film @ 20°C	3-4 Hours	Min	28 Hrs	24 Hrs	12 Hrs
Curing Speed - Thin film @ 5°C	8-12 Hours	Max	70 Hrs	24 Hrs	24 Hrs
Compressive Strength	84Mpa	Final drying times:			
Flexural Strength	68Mpa	Foot Traffic	2 Days	1 Day	12 Hrs
Hardness (Shore-D)		Lightly Serviceable	3 Days	2 Days	1 Day
After 8 Hours	77	Fully Serviceable	7 Days	7 Days	5 Days
After 24 Hours	85	Store away from Food, Drinks, Animals and Children.			
Adhesion Strength (on steel)	7Mpa	NOTE: All above values are approximate.			

RECOMMENDATIONS

We can supply the binder, in any combination of weights to meet individual requirements for on site screed mixing. Aggregate blends are supplied in three different grades, if required or you may use your own blend. Our grades are;
 0.1-0.4mm blend
 0.1-2.00mm blend
 0.1-2.2mm blend

For screed topping, we recommend to use the binder at 14%, i.e. for 25kg aggregate blend will be 3.500kg binder.

To produce as a filling screed, we recommend to use the binder at 8-10%, i.e. 25kg aggregate blend will require 2-2.5kg binder. Please be aware screeds produced at 8-10% binder are not suitable for the application of some surface finishes, such as a self-flow system or coating and should only be used in combination with epoxy, polyurethane or polymer toppings.

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PACKAGING

Pack Size: 5kg, 7.70kg & bulk; Resin 200kg,
Hardener 200kg

5kg Unit:	Resin	3.40kg
	Hardener	1.60kg
7.7kg Unit:	Resin	5.24kg
	Hardener	2.46kg
Bulk:	Resin	200kg
	Hardener	200kg

STORAGE, MIXING & APPLICATION

The storage, mixing and application conditions can affect the quality of the finished product. Please refer to our Information Data Sheet reference TD300.

CLEANING

All brushes, rollers, tools etc. should be cleaned with Reepol Thinners RC4 immediately after use. For hands – soap and water.

HEALTH & SAFETY

It is recommended that barrier creams, gloves and protective clothing are used when using Reepol RBS80. If eyes are affected wash with copious amounts of water and seek medical advice. For hands – wash with soap and water. For full details refer to C.H.I.P. data sheet.



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